

TITLE V INDICATOR TEMPLATES

INDICATOR: Infant mortality

DEFINITION: The number of infant deaths occurring at less than 365 days of age per 1,000 live births

NUMERATOR: The number of infant deaths occurring at less than 365 days of age, by place of residence, in a calendar year

DENOMINATOR: The total number of live births, by place of residence, in a calendar year

HEALTHY PEOPLE 2000 OBJECTIVE:

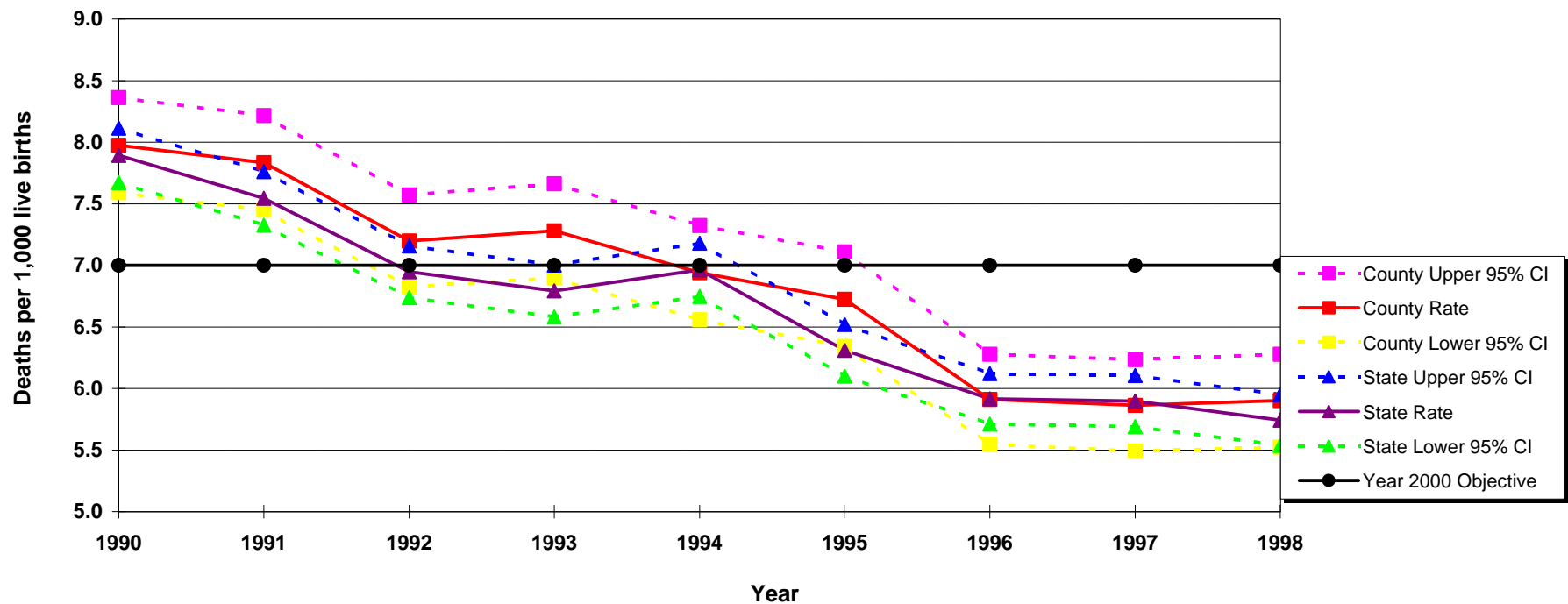
Reduce the infant mortality rate to no more than 7 per 1,000 live births.
(Baseline: 10.1 per 1,000 live births in 1987) (Objective 14.1)
No more than 7 infant deaths per 1,000 live births

RISK FACTORS: Race/ethnicity; prematurity/disorders related to short gestation; low birth weight; congenital anomalies; young maternal age; low maternal education level; maternal tobacco use; maternal alcohol or substance use/abuse; poor maternal nutrition; inadequate prenatal care; unintended pregnancy; maternal psychosocial problems; maternal medical complications/ chronic illness during pregnancy (including diabetes); pregnancy complications; short interpregnancy interval; injury (including domestic violence); infection; respiratory distress syndrome; family history of SIDS

	California				LA County				DENOMINATOR: Live Births	
	Infant Mortality		95% Confidence Interval		Infant Mortality		95% Confidence Interval			
Year	Number	Rate	Lower	Upper	Number	Rate	Lower	Upper	California	LA County
1990	4,828	7.9	7.7	8.1	1,628	8.0	7.6	8.4	611,666	204,124
1991	4,596	7.5	7.3	7.8	1,588	7.8	7.4	8.2	609,228	202,737
1992	4,174	6.9	6.7	7.2	1,421	7.2	6.8	7.6	600,838	197,415
1993	3,970	6.8	6.6	7.0	1,381	7.3	6.9	7.7	584,483	189,706
1994	3,948	7.0	6.7	7.2	1,252	6.9	6.6	7.3	567,034	180,394
1995	3,478	6.3	6.1	6.5	1,176	6.7	6.3	7.1	551,226	174,862
1996	3,186	5.9	5.7	6.1	999	5.9	5.5	6.3	538,628	168,973
1997	3,091	5.9	5.7	6.1	950	5.9	5.5	6.2	524,174	162,036
1998	2,994	5.7	5.5	5.9	936	5.9	5.5	6.3	521,265	158,604

Source: 1990-1998 birth and death records from California Department of Health Services, Center for Health Statistics

Infant Deaths per 1,000 Live Births California vs. Los Angeles County, 1990 - 1998

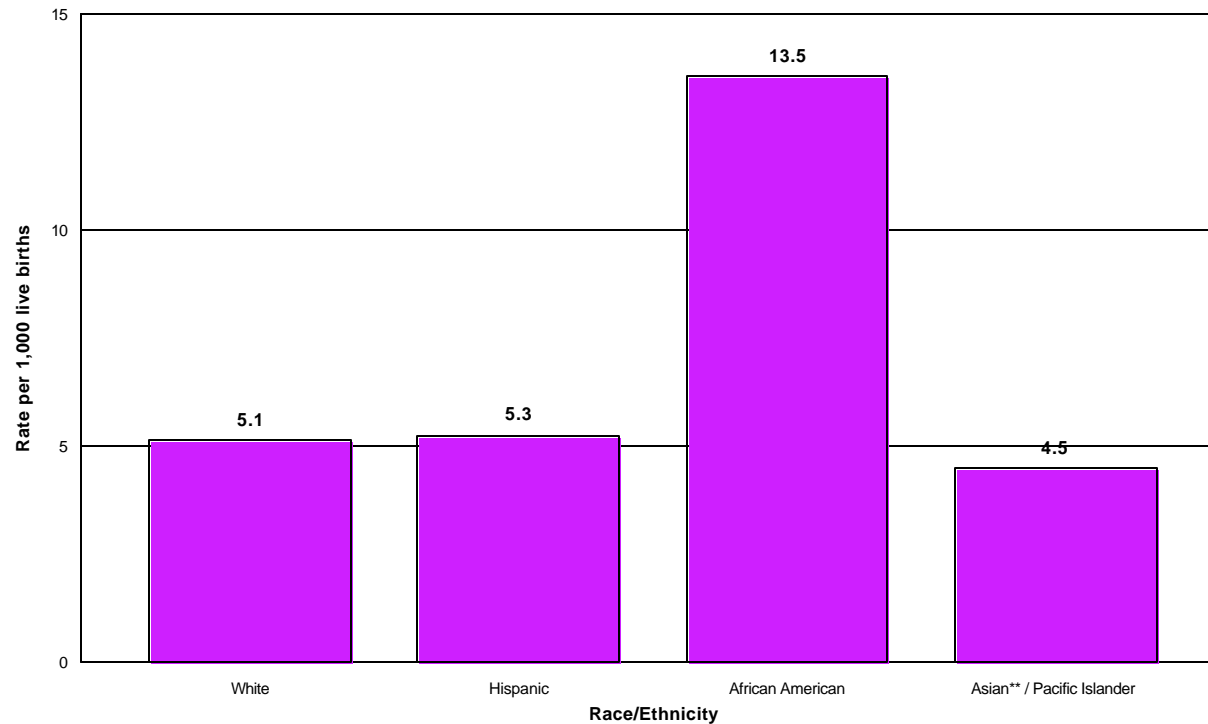


Year 2000 Objective: Reduce the infant mortality rate to no more than 7 per 1,000 live births.

Source: 1990-1998 birth and death records from California Department of Health Services, Center for Health Statistics

Infant Mortality Rate* by Race/Ethnicity**

Los Angeles County 1998



Los Angeles County, 1998				
Infant Mortality Rate	Number	Rate	95% Confidence Interval	
			Lower	Upper
White	157	5.1	4.3	5.9
Hispanic	515	5.3	4.8	5.7
African American	193	13.5	11.6	15.4
Asian** / Pacific Islander	67	4.5	3.4	5.5
Native American	0	a	a	a
Other / Unknown	4	a	a	a
Total	936	5.9	5.5	6.3

Total Live Births / Race
30,621
98,074
14,246
14,968
262
433
158,604

** White, African American, Native American and other races exclude Hispanic ethnicity
 Hispanic includes any race category
 Filipino is included in Asian
 a: Rates are not calculated if no more than five deaths

Year 2000 Objective: Reduce the infant mortality rate to no more than 7 per 1,000 live births.

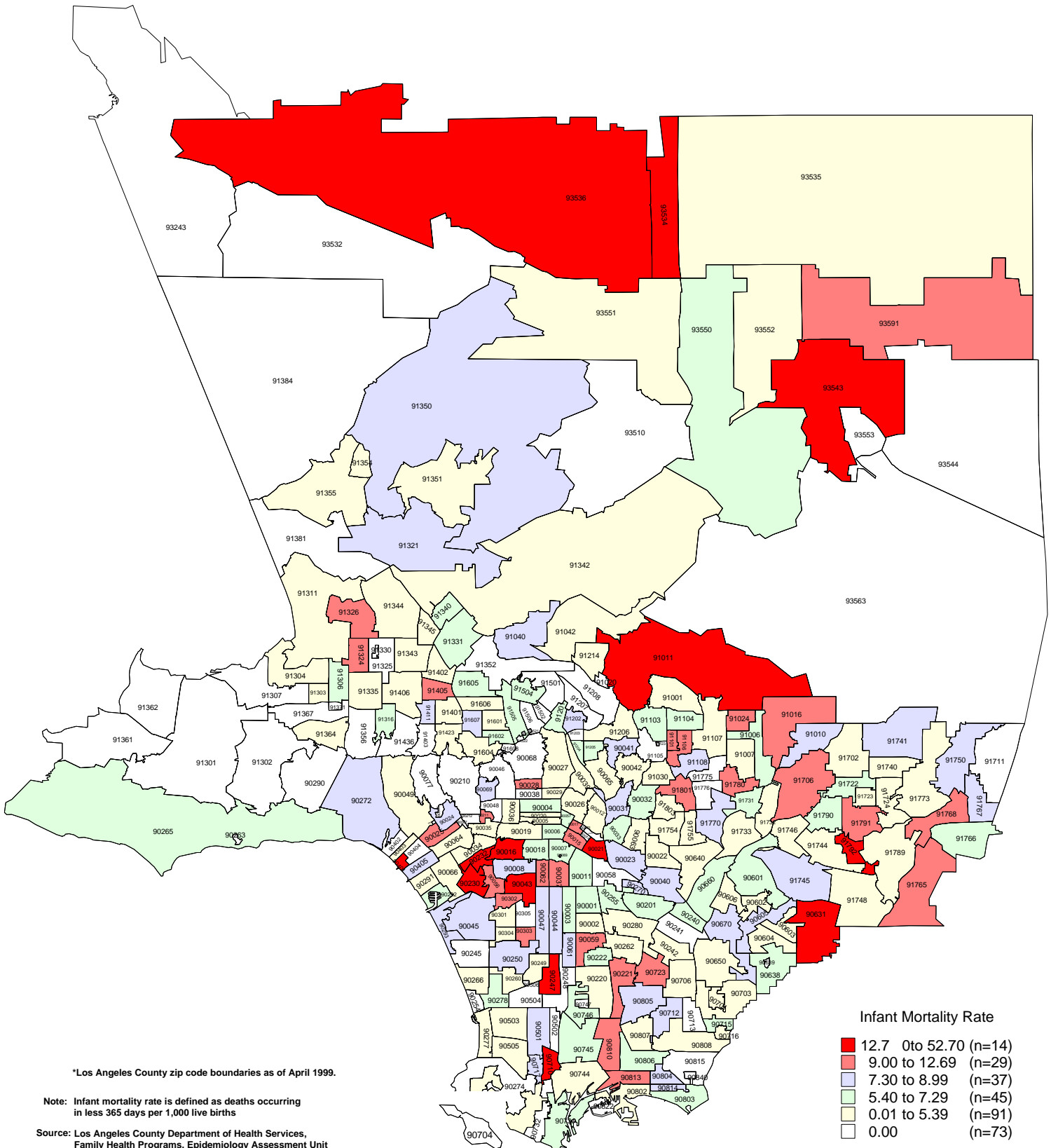
Note: *Infant mortality rate is defined as deaths occurring less than 365 days per 1,000 live births

Source: 1998 birth and death records from the California Department of Health Services, Center for Health Statistics

Los Angeles County - Department of Health Services

Infant Mortality Rate by Zip Code*

Los Angeles County, 1998



Infant Mortality Rate

12.7 or higher	(n=14)
9.00 to 12.69	(n=29)
7.30 to 8.99	(n=37)
5.40 to 7.29	(n=45)
0.01 to 5.39	(n=91)
0.00	(n=73)

*Los Angeles County zip code boundaries as of April 1999.

Note: Infant mortality rate is defined as deaths occurring in less 365 days per 1,000 live births

Source: Los Angeles County Department of Health Services, Family Health Programs, Epidemiology Assessment Unit

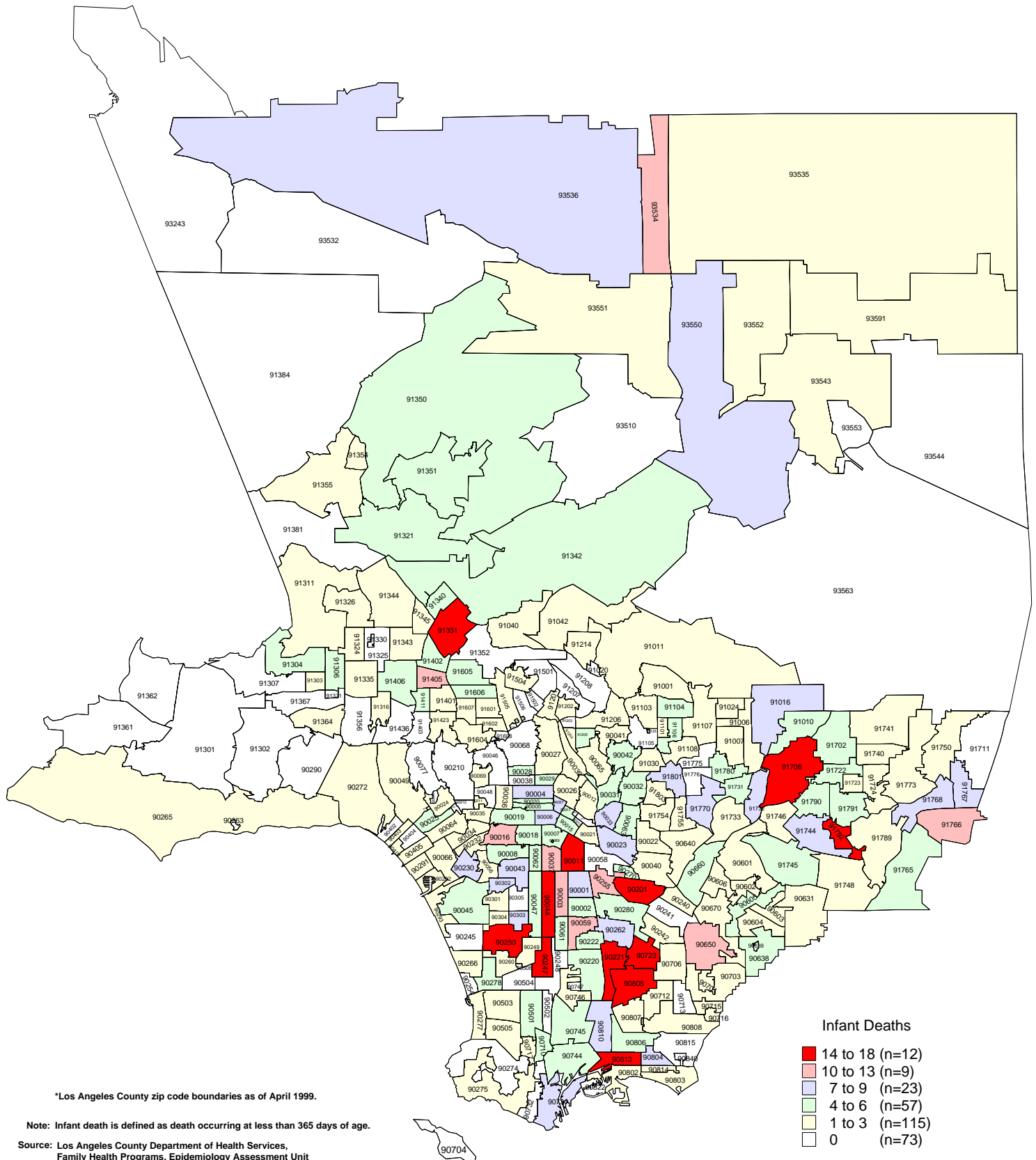
Based on 1998 birth records from California Department of Health Services, Center for Health Statistics

n = total number of zip codes in range

**Year 2000 Objective: Reduce the infant mortality rate to no more than 7 per 1,000 live births.

Number of Infant Deaths by Zip Code*

Los Angeles County, 1998



TITLE V INDICATOR TEMPLATES

INDICATOR: Neonatal mortality

DEFINITION: The number of infant deaths per 1,000 live births occurring at less than 28 days of age

NUMERATOR: The number of infant deaths occurring at less than 28 days of age, by place of residence, in a calendar year

DENOMINATOR: The total number of live births, by place of residence, in a calendar year

HEALTHY PEOPLE 2000 OBJECTIVE:

Reduce the neonatal mortality rate to no more than 4.5 per 1,000 live births.
(Baseline: 6.5 in 1987) (Objective 14.1d)

RISK FACTORS: Congenital anomalies; respiratory distress syndrome; short gestation; low birthweight; maternal complications; race/ethnicity (African American, Puerto Rican)

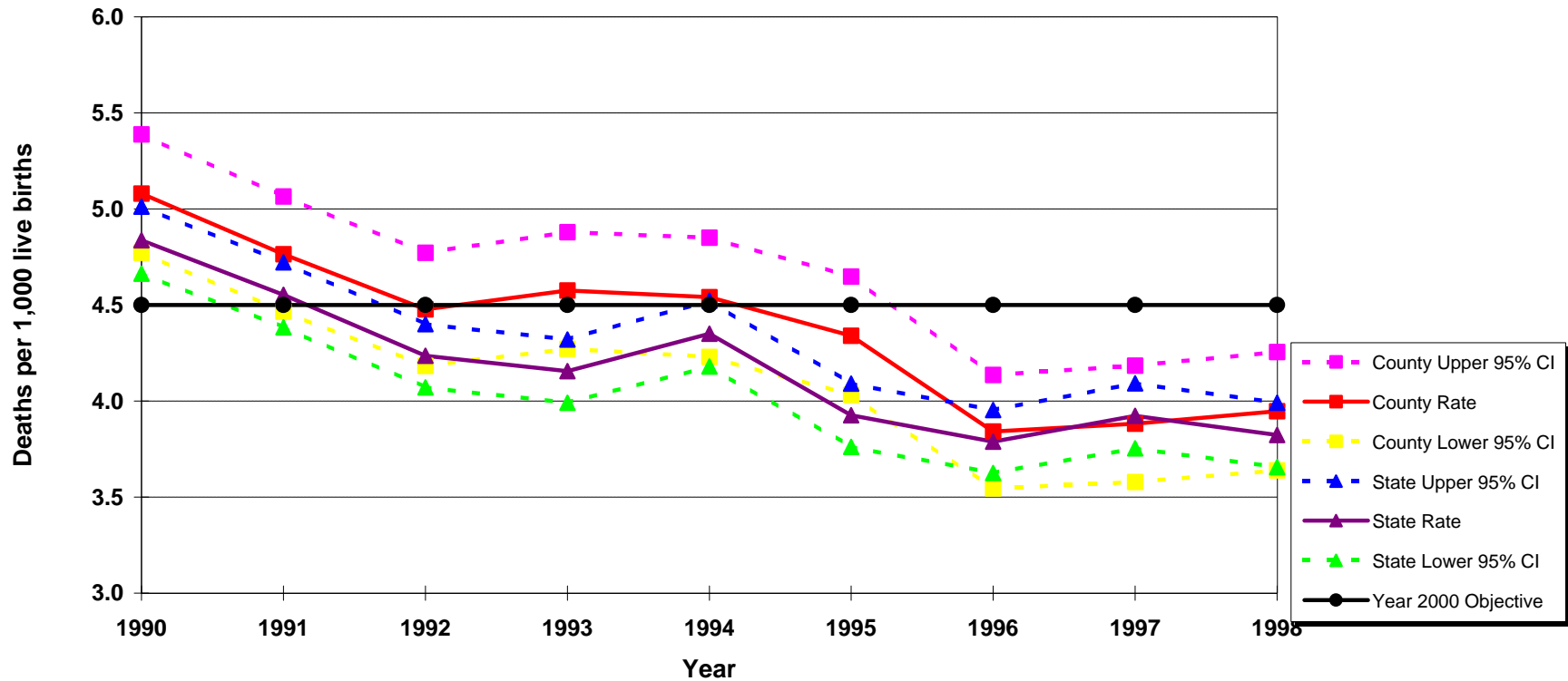
See also risk factors for infant mortality.

Year	California				LA County			
	Neonatal Mortality		95% Confidence Interval		Neonatal Mortality		95% Confidence Interval	
	Number	Rate	Lower	Upper	Number	Rate	Lower	Upper
1990	2,959	4.8	4.7	5.0	1,037	5.1	4.8	5.4
1991	2,774	4.6	4.4	4.7	966	4.8	4.5	5.1
1992	2,545	4.2	4.1	4.4	884	4.5	4.2	4.8
1993	2,429	4.2	4.0	4.3	868	4.6	4.3	4.9
1994	2,467	4.4	4.2	4.5	819	4.5	4.2	4.9
1995	2,164	3.9	3.8	4.1	759	4.3	4.0	4.6
1996	2,041	3.8	3.6	4.0	649	3.8	3.5	4.1
1997	2,056	3.9	3.8	4.1	629	3.9	3.6	4.2
1998	1,993	3.8	3.7	4.0	626	3.9	3.6	4.3

DEMOMINATOR: Live Births	
California	LA County
611,666	204,124
609,228	202,737
600,838	197,415
584,483	189,706
567,034	180,394
551,226	174,862
538,628	168,973
524,174	162,036
521,265	158,604

Source: 1990-1998 birth and death records from California Department of Health Services, Center for Health Statistics

Neonatal Deaths per 1,000 Live Births California vs. Los Angeles County, 1990 - 1998

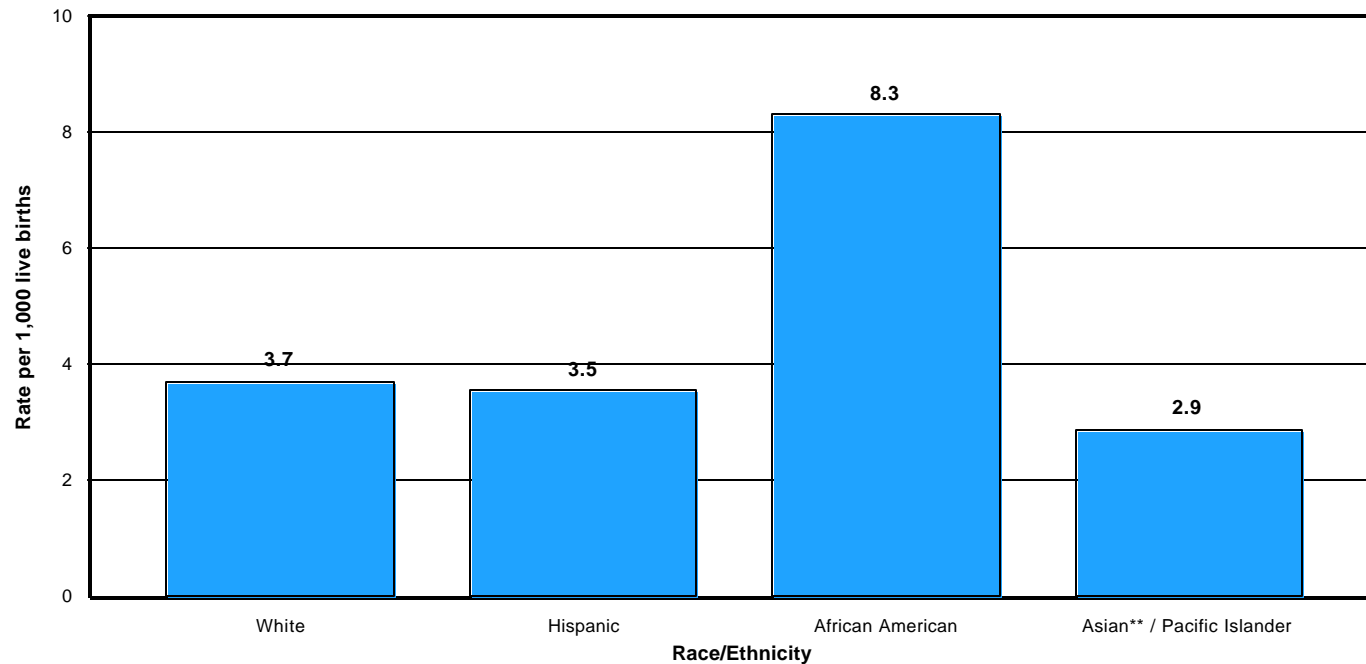


Year 2000 Objective: Reduce the neonatal mortality rate to no more than 4.5 per 1,000 live births.

Source: 1990-1998 birth and death records from California Department of Health Services, Center for Health Statistics

Neonatal Mortality Rate* by Race/Ethnicity**

Los Angeles County, 1998



Los Angeles County, 1998				
Neonatal Mortality Rate	Number	Rate	95 % Confidence Interval	
			Lower	Upper
White	113	3.7	3.0	4.4
Hispanic	348	3.5	3.2	3.9
African American	118	8.3	6.8	9.8
Asian** / Pacific Islander	43	2.9	2.0	3.7
Native American	0	a	a	a
Other / Unknown	4	a	a	a
Total	626	3.9	3.6	4.3

Total Live Births / Race
30,621
98,074
14,246
14,968
262
433
158,604

* White, African American, Asian, Native American and other races exclude Hispanic ethnicity.
 Hispanic includes any race category
 Filipino is included in Asian
 a: Rates are not calculated if no more than five deaths

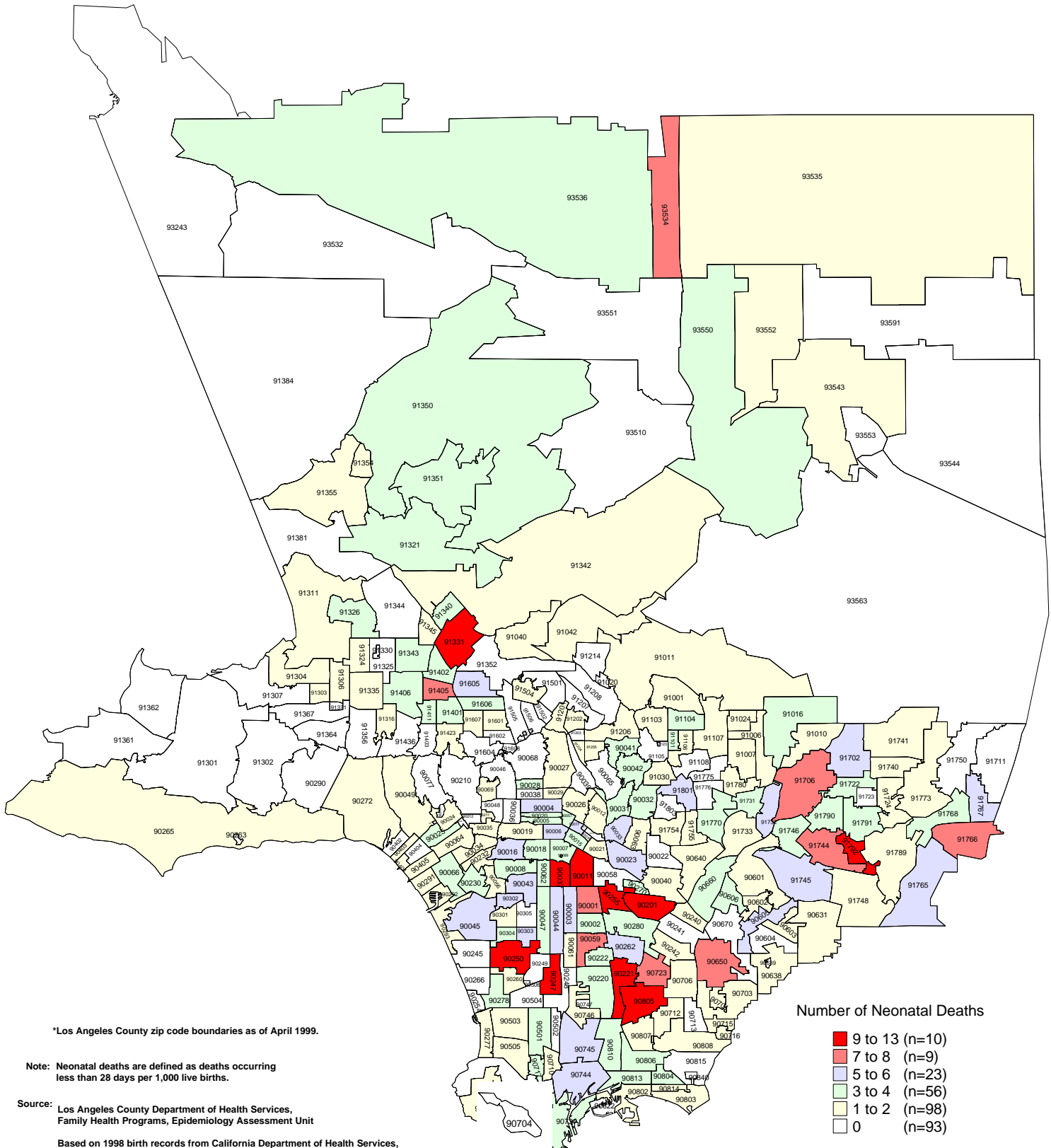
Year 2000 Objective: Reduce the neonatal mortality rate to no more than 4.5 per 1,000 live births.

Note: *Neonatal mortality rate is defined as deaths less than 28 days per 1,000 live births

Source: 1998 birth and death records from the California Department of Health Services, Center for Health Statistics

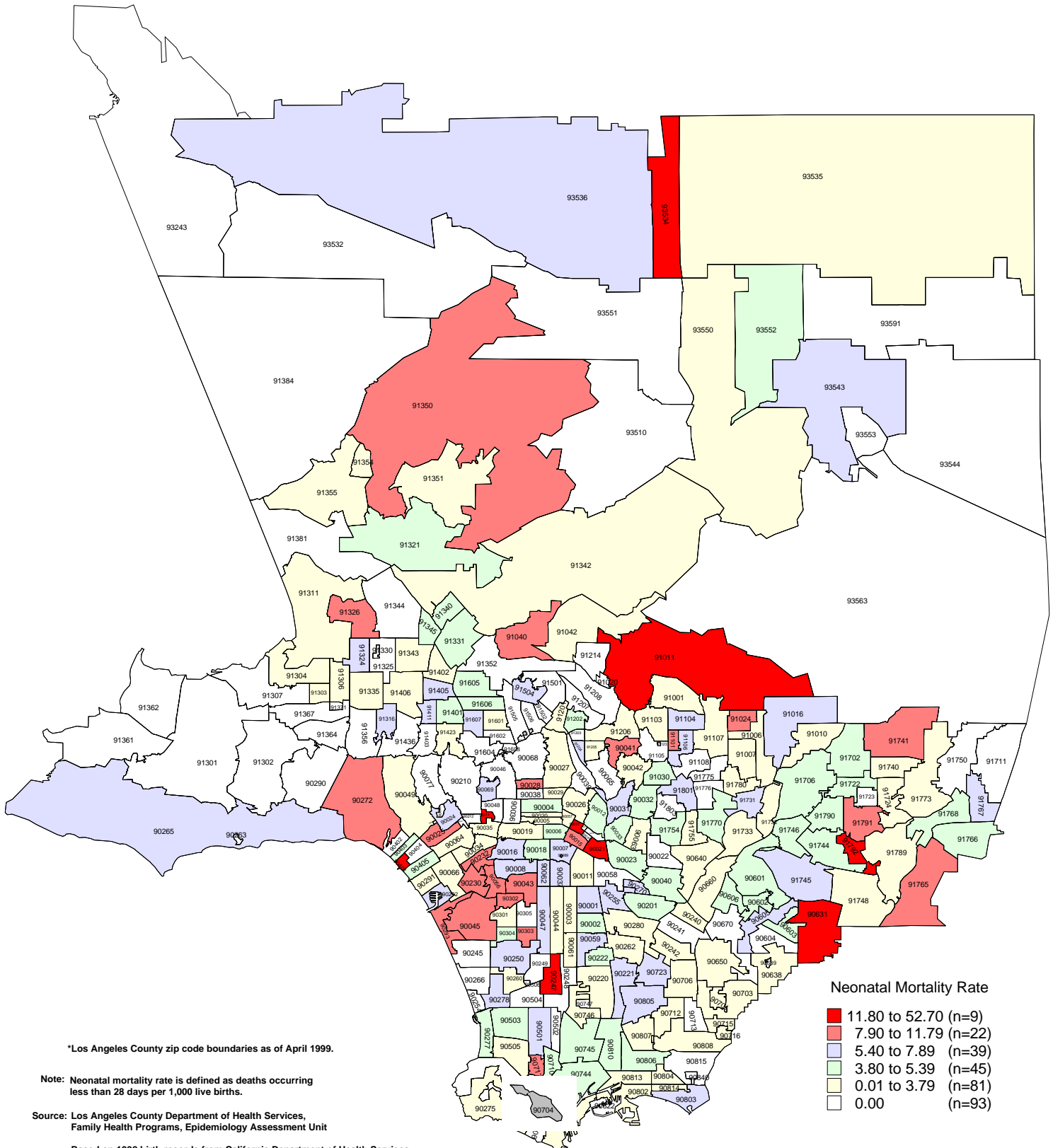
Number of Neonatal Deaths by Zip Code*

Los Angeles County, 1998



Neonatal Mortality Rate by Zip Code*

Los Angeles County, 1998



*Los Angeles County zip code boundaries as of April 1999.

Note: Neonatal mortality rate is defined as deaths occurring less than 28 days per 1,000 live births.

Source: Los Angeles County Department of Health Services, Family Health Programs, Epidemiology Assessment Unit

Based on 1998 birth records from California Department of Health Services, Center for Health Statistics

n = total number of zip codes in range

Year 2000 Objective: Reduce the neonatal mortality rate to no more than 4.5 per 1,000 live births.

TITLE V INDICATOR TEMPLATES

INDICATOR: Post-neonatal mortality

DEFINITION: The number of infant deaths per 1,000 live births occurring between 28 and 364 days of age

NUMERATOR: The number of infant deaths occurring at age 28 to 364 days of age, by place of residence, in a calendar year

DENOMINATOR: The total number of live births, by place of residence, in a calendar year

HEALTHY PEOPLE 2000 OBJECTIVE:

Reduce the post-neonatal mortality rate to no more than 2.5 per 1,000 live births. (Baseline: 3.6 in 1987) (Objective 14.1g)

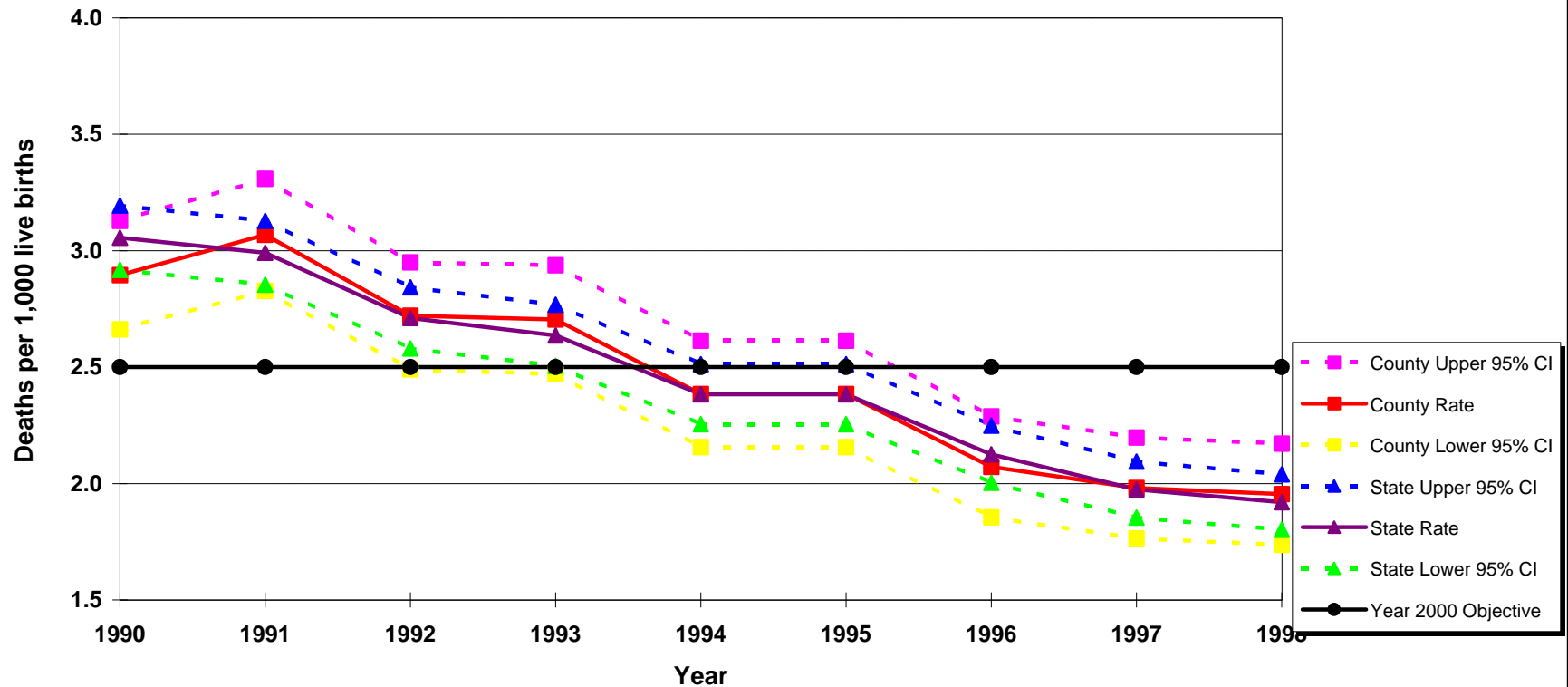
RISK FACTORS: Congenital anomalies; injuries; infection in late pregnancy; family history of SIDS; maternal smoking or drug use; young maternal age (teen births); race/ethnicity (African American, American Indian, Puerto Rican)

See also risk factors for infant mortality.

	California				LA County				DENOMINATOR: Live Births	
	Post-Neonatal Mortality		95% Confidence Interval		Post-Neonatal Mortality		95% Confidence Interval			
Year	Number	Rate	Lower	Upper	Number	Rate	Lower	Upper	California	LA County
1990	1,869	3.1	2.9	3.2	591	2.9	2.7	3.1	611,666	204,124
1991	1,822	3.0	2.9	3.1	622	3.1	2.8	3.3	609,228	202,737
1992	1,629	2.7	2.6	2.8	537	2.7	2.5	2.9	600,838	197,415
1993	1,541	2.6	2.5	2.8	513	2.7	2.5	2.9	584,483	189,706
1994	1,481	2.6	2.5	2.7	433	2.4	2.2	2.6	567,034	180,394
1995	1,314	2.4	2.3	2.5	417	2.4	2.2	2.6	551,226	174,862
1996	1,145	2.1	2.0	2.2	350	2.1	1.9	2.3	538,628	168,973
1997	1,035	2.0	1.9	2.1	321	2.0	1.8	2.2	524,174	162,036
1998	1,001	1.9	1.8	2.0	310	2.0	1.7	2.2	521,265	158,604

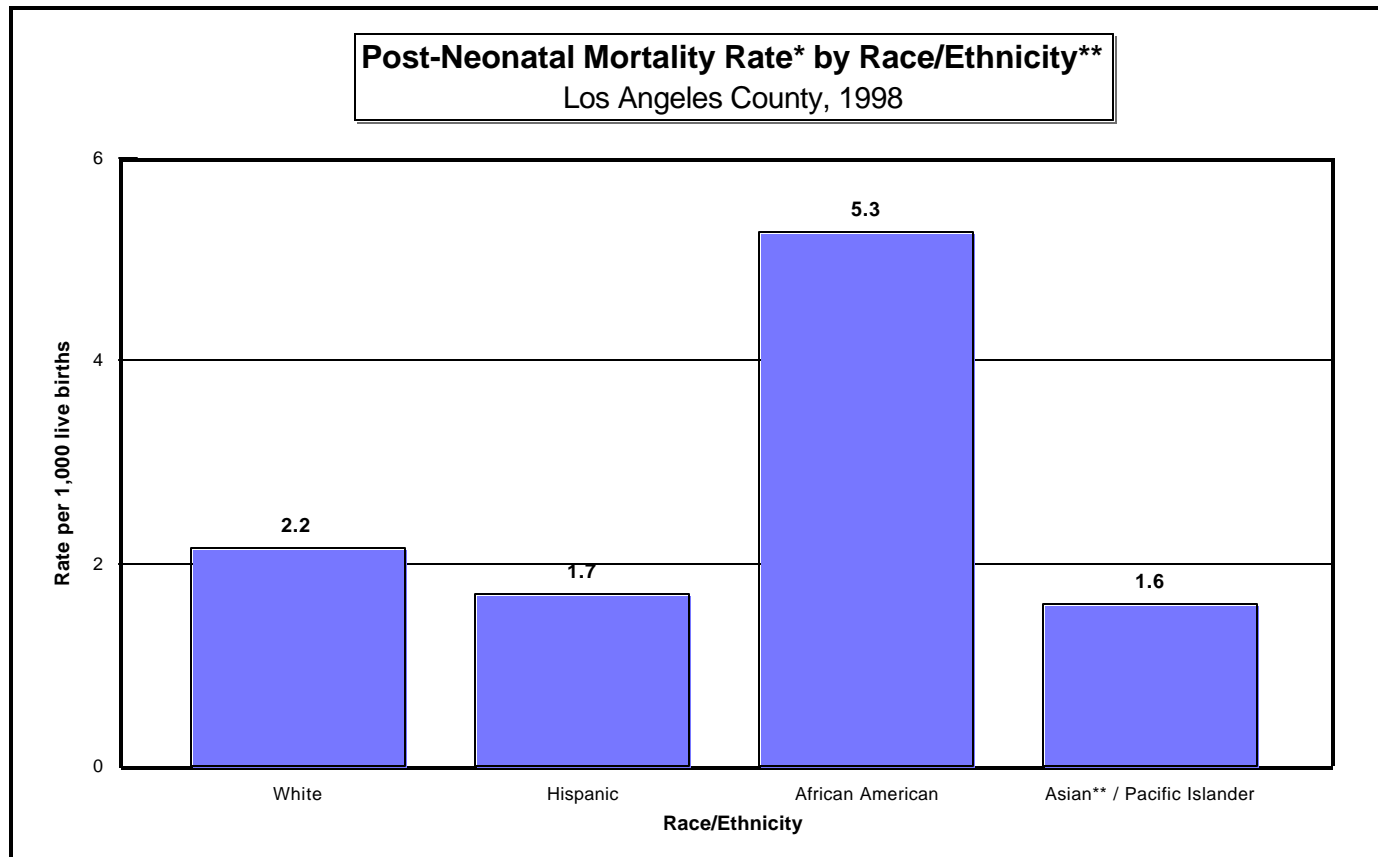
Source: 1990-1998 birth and death records from California Department of Health Services, Center for Health Statistics

Post-Neonatal Deaths per 1,000 Live Births California vs. Los Angeles County, 1990 - 1998



Year 2000 Objective: Reduce the neonatal mortality rate to no more than 2.5 per 1,000 live births.

Source: 1990-1998 birth and death records from California Department of Health Services, Center for Health Statistics



Post-Neonatal Mortality Rate	Los Angeles County, 1998			
			95 % Confidence Interval	
	Number	Rate	Lower	Upper
White	66	2.2	1.6	2.7
Hispanic	167	1.7	1.4	2.0
African American	75	5.3	4.1	6.5
Asian** / Pacific Islander	24	1.6	1.0	2.2
Native American	0	a	a	a
Other / Unknown	0	a	a	a
Total	332	2.1	1.9	2.3

Total Live Births / Race
30,621
98,074
14,246
14,968
262
433
158,604

** White, African American, Asian, Native American and other race exclude Hispanic ethnicity
Hispanic includes any race category
Filipino is included in Asian
a: Rates are not calculated if no more than five deaths

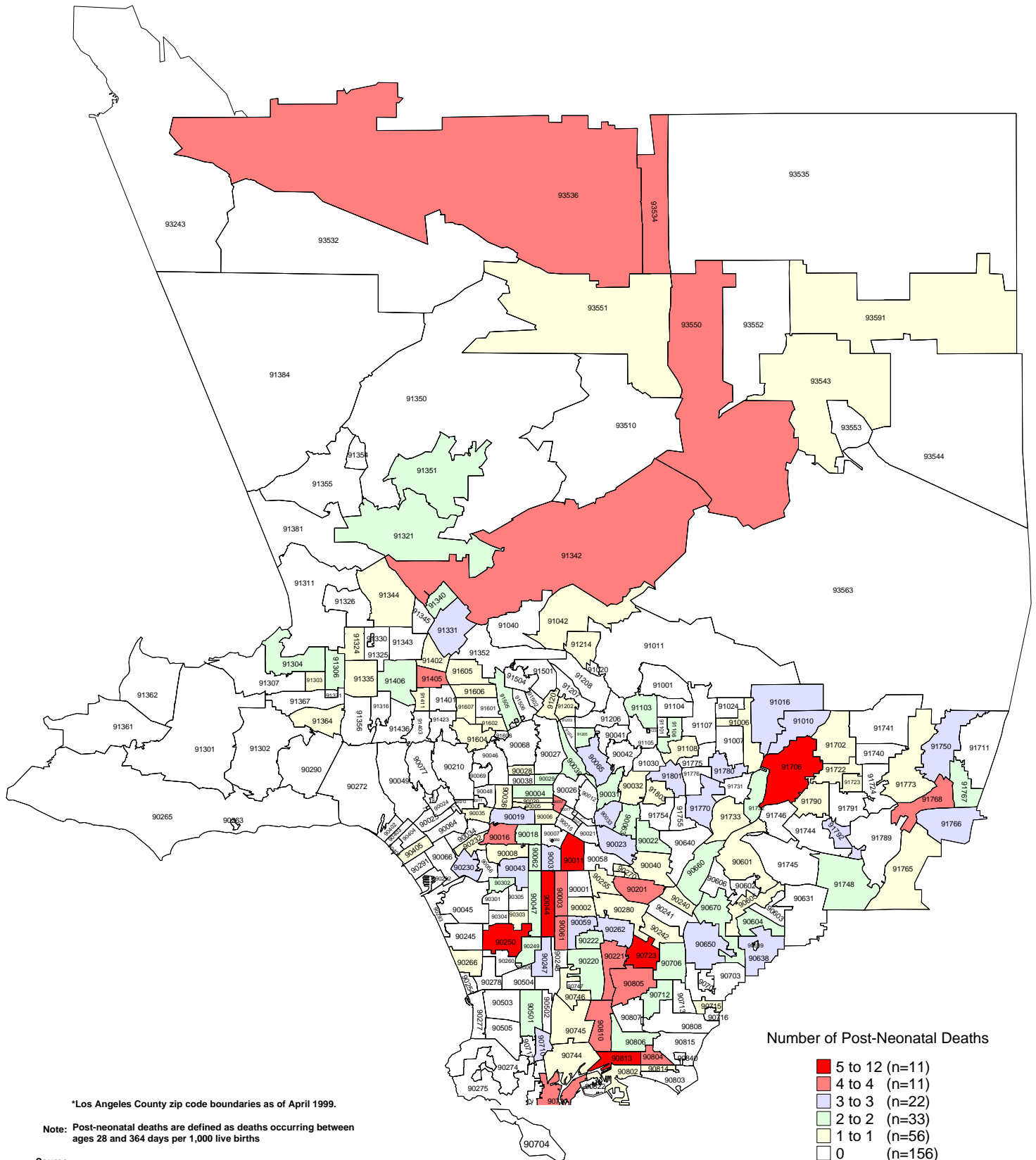
Year 2000 Objective: Reduce the post-neonatal mortality rate to no more than 2.5 per 1,000 live births.

Note:* Post-neonatal mortality rate is defined as deaths occurring between ages 28 and 364 days per 1,000 live births

Source: 1998 birth and death records from the California Department of Health Services, Center for Health Statistics

Number of Post-Neonatal Deaths by Zip Code*

Los Angeles County, 1998



n = total number of zip codes in range

Post-Neonatal Rate by Zip Code*

Los Angeles County, 1998

